

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claims 1-5, 7-14, and 18-21 in accordance with the following:

1. (CURRENTLY AMENDED) A refrigeration apparatus generating cooling air, comprising:
an evaporator forming frost ~~comprising having:~~
a coolant tube having at least one bending part, and
at least one heat exchange fin with at least one coolant tube accommodating part contacting the coolant tube, ~~and~~
a defrosting unit adjacent to the evaporator removing the frost formed on the evaporator and forming water drops from the frost,
wherein the heat exchange fin being inclined by an inclination angle formed between a vertical direction and a longitudinal direction being an acute angle relative to the vertical direction, the heat exchange fin comprising:
~~so that a longitudinal direction of the heat exchange fin forms an acute angle relative to a vertical direction,~~
corner parts provided on opposite sides of the heat exchange fin, and
a bottom end below the corner parts where the inclination angle ~~causing causes the~~ water drops defrosted by the defrosting unit to flow downward ~~to a bottom end of the heat exchange fin, and~~
wherein opposite sides of the heat exchange fin including rounded the corner parts are rounded.

2. (CURRENTLY AMENDED) The refrigeration apparatus according to claim 1, wherein the rounded corner part ~~parts~~ of the heat exchange fin ~~is rounded to have a radius between~~ approximately 5 mm and 20 mm.

3. (CURRENTLY AMENDED) The refrigeration apparatus according to claim 2, wherein

the inclination angle of the at least one heat exchange fin is between approximately 50 degrees and 75 degrees.

4. (CURRENTLY AMENDED) The refrigeration apparatus according to claim 3, wherein the at least one heat exchange fin includes at least one protrusion protruding orthogonally from a surface of the at least one heat exchange fin.

5. (CURRENTLY AMENDED) The refrigeration apparatus according to claim 1, wherein the evaporator is installed on a wall, and
the at least one heat exchange fin is inclined toward one side relative to ~~a~~the vertical direction, and the bottom end of ~~each~~the at least one heat exchange fin is adjacent to ~~a~~the wall on which the evaporator is installed.

6. (ORIGINAL) The refrigeration apparatus according to claim 1, further comprising:
at least two coolant tube supporters on opposite sides of the evaporator supporting the coolant tube.

7. (CURRENTLY AMENDED) The refrigeration apparatus according to claim 1, wherein the at least one heat exchange fin has a substantially rectangular shape, and the at least one coolant tube accommodating part is positioned on a surface of the heat exchange fin in a pair.

8. (CURRENTLY AMENDED) A refrigerator comprising:
a refrigeration apparatus generating cooling air comprising:
an evaporator forming frost thereupon having:
a coolant tube including at least one bending part, ~~and~~
at least one heat exchange fin with at least one coolant tube
accommodating part contacting the coolant tube, and
a defrosting unit adjacent to the evaporator ~~and removing~~ the frost formed
on the evaporator and forming water drops from the frost;
a main body ~~including~~ having:
at least one storage compartment having an opening supplied with the cooling air
generated by the refrigeration apparatus; and
at least one door covering ~~an~~the opening of the storage compartment,
wherein the at least one heat exchange fin ~~is being~~ inclined by an inclination angle

formed between a vertical direction and longitudinal direction being an acute angle relative to the vertical direction, the at least one heat exchange fin comprising:

~~so that a longitudinal direction of the heat exchange fin forms an acute angle relative to a vertical direction,~~

corner parts provided on opposite sides of the heat exchange fin, and
a bottom end below the corner parts where the inclination angle causing causes
the water drops defrosted by the defrosting unit to flow downward to a bottom end of the heat exchange fin, and

~~wherein opposite sides of the heat exchange fin include~~the rounded-corner parts are rounded.

9. (CURRENTLY AMENDED) A refrigerator comprising:

a refrigeration apparatus generating cooling air including:

an evaporator forming frost thereupon, the evaporator comprising:

~~having a~~ coolant tube including at least one bending part, and

at least one heat exchange fin with at least one coolant tube
accommodating part contacting the coolant tube, and

a defrosting unit adjacent to the evaporator ~~and removing~~ the frost formed on the evaporator and forming water drops from the frost; and

a main body having:

~~formed with~~ at least one storage compartment having an opening supplied with
the cooling air generated by the refrigeration apparatus; and

at least one door covering ~~an~~ the opening of the storage compartment,

wherein the at least one heat exchange fin is inclined by an inclination angle formed
between a vertical direction and a longitudinal direction being an acute angle relative to the
vertical direction, the at least one heat exchange fin comprising:

~~so that a longitudinal direction of the heat exchange fin forms an acute angle relative to a vertical direction,~~

corner parts provided on opposite sides of the heat exchange fin, and
a bottom end below the corner parts where the inclination angle causing causes
the water drops defrosted by the defrosting unit to flow downward to a bottom end of the heat exchange fin,

~~wherein opposite sides of the heat exchange fin include rounded~~the corner parts are rounded, and

~~wherein the~~ at least one heat exchange fin includes at least one protrusion protruding orthogonally from a surface of the at least one heat exchange fin.

10. (CURRENTLY AMENDED) A refrigerator comprising:
a refrigeration apparatus generating cooling air including having:
an evaporator forming frost thereupon and installed on a wall, the evaporator comprising:
~~having~~ a coolant tube including at least one bending part, and
at least one heat exchange fin with at least one coolant tube
accommodating part contacting the coolant tube, and
a defrosting unit adjacent to the evaporator ~~and removing the~~ frost formed on the evaporator and forming water drops from the frost; and
a main body having:
~~including~~ at least one storage compartment having an opening supplied with the
cooling air generated by the refrigeration apparatus, and
at least one door covering ~~an~~ the opening of the storage compartment,
wherein the at least one heat exchange fin is inclined by an inclination angle formed between a vertical direction and a longitudinal direction being an acute angle relative to the vertical direction, the at least one heat exchange fin comprising:
~~so that a longitudinal direction of the heat exchange fin forms an acute angle relative to a vertical direction~~
corner parts provided on opposite sides of the at least one heat exchange fin, and
a bottom end below the corner parts where the inclination angle causing causes
the water drops defrosted by the defrosting unit to flow downward ~~to a bottom end of the heat exchange fin, and~~
wherein the heat exchange fin is inclined toward one side relative to ~~a~~ the vertical direction, and the bottom end of ~~each~~ the heat exchange fin is adjacent to ~~a~~ the wall ~~on which the evaporator is installed.~~

11. (CURRENTLY AMENDED) The refrigeration apparatus according to claim 1, wherein the inclination angle of the at least one heat exchange fin is between approximately 40 degrees and 50 degrees.

12. (CURRENTLY AMENDED) The refrigeration apparatus according to claim 1,

wherein the evaporator has a plurality of coolant tubes, and

the inclination angle of the at least one heat exchange fin is ~~set~~ based on a ratio of a length of the at least one heat exchange fin and a distance between ~~a~~ the plurality of coolant tubes along ~~a~~ the vertical direction.

13. (CURRENTLY AMENDED) The refrigerator according to claim 10, wherein the evaporator further comprising~~comprises~~:

~~means for disposing of water in an evaporator accommodating part containing the evaporator~~ for disposing water.

14. (CURRENTLY AMENDED) The refrigeration apparatus according to claim 1, wherein the at least one heat exchange fin has a polygonal shape.

15. (ORIGINAL) A method of defrosting an evaporator having at least one heat exchange fin including at least a rounded edge and a sharply edged bottom, the evaporator being attached to an evaporator accommodating part, the method comprising:

forming frost in the evaporator during a refrigeration cycle;
defrosting the evaporator after each refrigeration cycle; and
collecting water formed in the defrosting on the sharply edged bottom of the heat exchange fin,

wherein the water flows along the rounded edge and a downwardly sloped length of the heat exchange fin, and

wherein the water collected on the sharply edged bottom of the heat exchange fin flows down the evaporator accommodating part.

16. (ORIGINAL) The method according to claim 15, further comprising:
disposing of the collected water through a discharge hole.

17. (ORIGINAL) The method according to claim 15, further comprising:
disposing of the collected water with a water accommodating part at a bottom of the evaporator accommodating part.

18. (CURRENTLY AMENDED) An air conditioner comprising:
a refrigeration apparatus generating cooling air including:

an evaporator forming frost thereupon, the evaporator comprising:
~~having~~ a coolant tube including at least one bending part, and
at least one heat exchange fin with at least one coolant tube
accommodating part contacting the coolant tube, and
a defrosting unit adjacent to the evaporator ~~and removing frost formed on the~~
evaporator and forming water drops from the frost,
wherein the at least one heat exchange fin being inclined by an inclination angle formed
between a vertical direction and a longitudinal direction being an acute angle relative to the
vertical direction, comprises:
~~is inclined by an inclination angle so that a longitudinal direction of the heat~~
~~exchange fin forms an acute angle relative to a vertical direction, corner parts provided~~
on opposite sides of the heat exchange fin, and
a bottom end below the corner parts where the inclination angle causing the
water drops defrosted by the defrosting unit to flow downward ~~to a bottom end of the heat~~
exchange fin, and
wherein ~~opposite sides of the heat exchange fin include the rounded corner parts are~~
rounded.

19. (CURRENTLY AMENDED) The refrigeration apparatus according to claim 1,
wherein the rounded corner parts of the at least one heat exchange fin ~~is rounded to have a~~
radius between approximately 3 mm and 5 mm.

20. (CURRENTLY AMENDED) The refrigeration apparatus according to claim 1,
wherein the rounded corner parts of the heat exchange fin ~~is rounded to have a radius above~~
greater than 50 mm.

21. (CURRENTLY AMENDED) The refrigeration apparatus according to claim 1,
wherein the at least one heat exchange fin includes at least one sharply-edged corner.